

Abstract

A flat valve device of a smaller size which can complete easy and swift air evacuation, in which the airtightness of a gas-containing structure and the operational safety can be improved, requiring no extra parts.

The flat valve device includes a circular frame member 3 to be mounted on the opening of a gas-containing structure 2, a round body member 4 to be removably screwed to the inner peripheral surface 4d of the circular frame member 3, and a valve 6 provided in a valve accommodating space of the round body member 4. The round body member 4 is provided with an outward-facing through hole 4e and an inward-facing through hole 4f, while the valve 6 includes a sealing cover 6a and an energizing member 6b. The round body member 4 has a circular recess 4b and a rotating cover 5 to be rotatably pressed thereon, and the outward-facing through hole 4e is prepared off the center of the circular recess 4b, and the rotating cover 5 includes a gas injection hole 5b with the degree of eccentricity identical to that of the outward-facing through hole 4e.